

Converting Colors

CIELCh(87, 8.377, 164.791)

Have a look what the booklet for
CIELCh(87, 8.377, 164.791) contains.

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Color

CIELCh(87, 8.317, 164.418)

Conversions

Conversions Part 1

Format	Color
Hex	CBDED5
RGB	203, 222, 213
RGB Percent	80%, 87%, 84%
CMY	0.2025, 0.1280, 0.1633
CMYK	0.09, 0.00, 0.04, 0.13
HSL	152°, 23%, 83%
HSV	152°, 9%, 87%
XYZ	63.0015, 70.0064, 73.3843
YIQ	215.2930, -8.4350, -6.8270

Conversions

Conversions Part 2

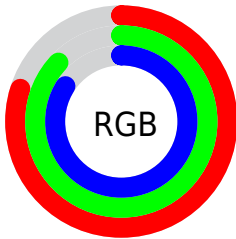
Format	Color
R_{YB}	203, 215, 222
Decimal	13360853
CIE Lab	87.00, -8.01, 2.23
CIE LCh	87, 8.317, 164.418
Yxy	70.0064, 0.3053, 0.3392
Android (android.graphics.Color)	4291550933 (0xFFCBDED5)
YUV	215.2930, -1.1304, -10.7810
Hunter-Lab	83.6698, -12.0157, 6.5674

Details

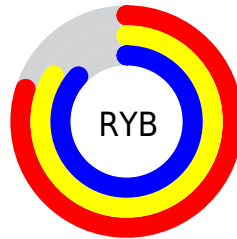
The CIELCh color $87, 8.317, 164.418$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 8.429, 345.764$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 8.469, 162.802$ is the 20% darker color. If you saturate the color by 10%, you get $85, 18.025, 163.453$, and if you desaturate by 10%, it is $89, 1.419, 344.886$.

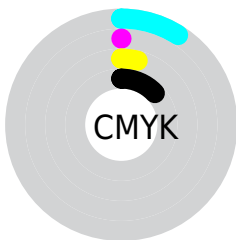
Distribution



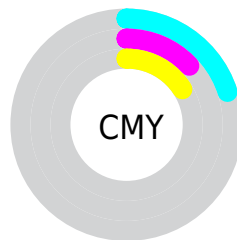
- Red (80%)
- Green (87%)
- Blue (84%)



- Red (80%)
- Yellow (84%)
- Blue (87%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (13%)



- Cyan (20%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 8.317, 164.418 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 87, 8.317, 164.418 by changing the saturation by 10% instead.

■ 87, 8.317, 164.418

■ 87, 8.317, 164.418

■ 100, 8.317,
164.418

■ 77, 8.317, 164.418

■ 67, 8.317, 164.418

■ 57, 8.317, 164.418

■ 47, 8.317, 164.418

■ 37, 8.317, 164.418

■ 27, 8.317, 164.418

■ 17, 8.317, 164.418

■ 7, 8.317, 164.418

■ 0, 8.317, 164.418

87, 8.317, 164.418

87, 8.317, 164.418

85, 18.025,
163.453

89, 1.419, 344.886

84, 27.575,
162.410

91, 11.089,
345.935

82, 36.821,
161.247

92, 16.474,
335.457

81, 45.600,
159.937


92, 20.418,
325.135

80, 53.747,
158.455

80, 61.116,
156.777

79, 67.603,
154.887

79, 73.178,
152.784

 78, 77.935,
150.517

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87, 8.317, 164.418



84, 8.429, 345.764

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 8.317, 164.418



87, 8.317, 214.418



87, 8.317, 344.418



87, 8.317, 34.418

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



87, 8.319, 164.413



99, 3.256, 164.988



87, 10.562, 129.289



53, 2.470, 164.887



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 8.319, 164.413



98, 10.876, 164.268



87, 6.559, 200.488



46, 5.567, 164.327



63, 65.467, 150.589



17, 24.673, 155.071

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



84, 8.429, 345.764



93, 11.041, 345.910



83, 6.924, 21.225



44, 5.647, 345.850



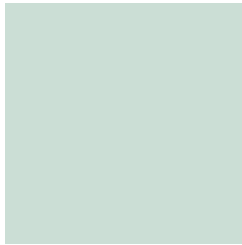
38, 63.972, 4.329



6, 26.187, 356.657

Previews

White Background



This preview shows how the CIELCh color 87, 8.317, 164.418 looks on a white background.

Color Contrast Check

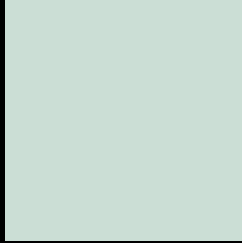
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 87, 8.317, 164.418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

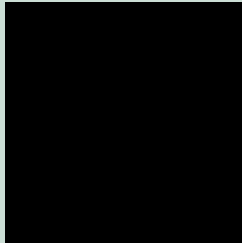
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

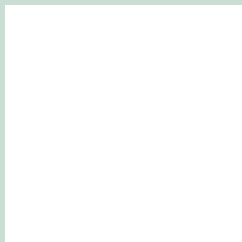
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 8.317, 164.418

Background



This preview shows how black text looks on a background with the CIELCh color 87, 8.317, 164.418.

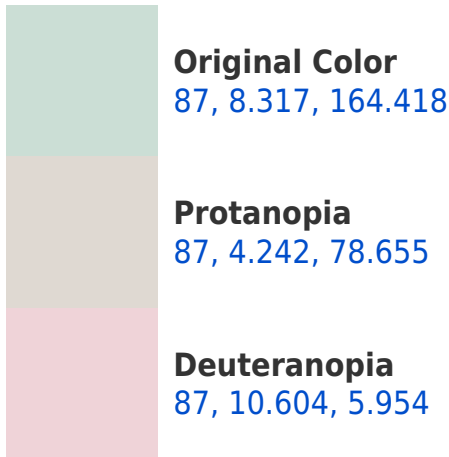


This preview shows how white text looks on a background with the CIELCh color 87, 8.317, 164.418.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
87, 9.720, 265.869

Trichromacy



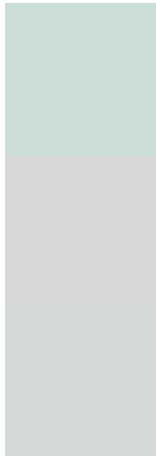
Original Color
87, 8.317, 164.418

Protanomaly
87, 4.319, 124.424

Deuteranomaly
87, 4.003, 19.551

Tritanomaly
87, 6.359, 240.501

Monochromacy



Original Color
87, 8.317, 164.418

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 2.976, 167.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 8.317, 164.418 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(203, 222, 213)` looks like.

```
.text, #text, p{  
    color:rgb(203, 222, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(203, 222, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 222, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 8.317, 164.418 is called "border". The border property can be set on classes, ids or directly on the HTML element.

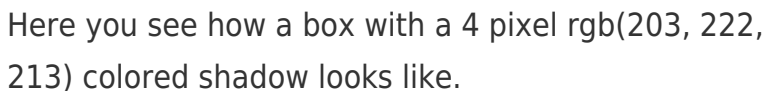
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 222, 213) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(203, 222, 213) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(203, 222, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 222, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 222, 213); box-shadow:4px 4px 4px 4px rgb(203, 222, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 8.317, 164.418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 222, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(203,  
222, 213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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